

Planning for Hazard Mitigation

DATA RESOURCES BEFORE YOU NEED THEM



MILONE & MACBROOM

Hazard Mitigation Plan

Required for certain FEMA grants:

- Public Assistance – debris removal, emergency protective measures
- Fire Mitigation Assistance
- Hazard Mitigation Grant Program – planning & projects
- Pre-Disaster Mitigation – projects
- Flood Mitigation Assistance – planning & projects

State Mitigation Plan Review Guide

Released March 2015

Effective March 2016

FP 302-094-2



Risk Assessment

What has happened before, what is likely to happen again?

- *"The risk assessment process focuses attention on areas most at risk by evaluating where populations, infrastructure, and critical facilities are vulnerable to hazards, and to what extent injuries or damage may occur."*



The summary, analysis and conclusions drawn from assessing risks is more important than presenting the raw data – but you need raw data to come to those conclusions

Data Needs

Political Boundaries

Roads

Infrastructure

Structures

Geology, Hydrography, Soils

Hazards – risk areas and historical impact

Assets & Critical Facilities

Assets & Critical Facilities

“State assets may include state-owned or operated buildings, infrastructure, and critical facilities.

Critical facilities means structures that the state determines must continue to operate before, during, and after an emergency and/or hazard event and/or are vital to health and safety.”

- EOC
- Police stations
- Fire stations
- Distribution sites
- Storage facilities (including data storage)
- Hospitals
- Institutions
- Shelters
- Schools
- Power plants
- Water treatment plants
- Public Works facilities
- Airports
- Roads
- Railroads
- Bridges
- Tunnels
- Ports
- ...and more

Local & Multi-jurisdiction plans may have a different list



Sources of Data

Department Staff – Your primary resource, however there are always constraints on time, resources to collect & convert data for GIS, communication gaps

Try Online

- Find contacts & data
 - Download data
 - Compare & supplement local knowledge
 - Correct errors
- [UConn CLEAR](#)
 - [CT DEEP](#)
 - [CT Open Data](#)
 - [CT GeoHub](#) – NEW!
 - [FEMA Map Service Center](#)
 - [HIFLD](#) – Open and Secure



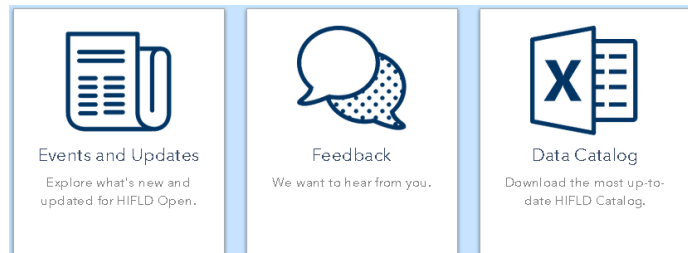
Homeland Infrastructure Foundation-Level Data(HIFLD)

Open and Secure Data

[View Data Catalog](#)

Secure Data contains over 100 different datasets that cover many critical facilities that would be difficult to aggregate

Open Data puts many layers at your fingertips



HIFLD Open Data

This site provides National foundation-level geospatial data within the open public domain that can be useful to support community preparedness, resiliency, research, and more. The data is available for download as CSV, KML, Shapefile, and accessible via web services to support application development and data visualization.

For updates about HIFLD data, guidance on metadata, and known shapefile conversion issues, please access the HIFLD notifications page.

Accessing Data – HIFLD Open

200+ Datasets

Explore Categories

 Agriculture	 Borders	 Boundaries	 Chemicals
 Commercial	 Communications	 Education	 Emergency Services
 Energy	 Finance	 Food Industry	 Geonames
 Government	 Law Enforcement	 Mail Shipping	 Mining
 National Flood Hazard	 Natural Hazards	 Public Health	 Public Venues

Accessing Data – HIFLD Secure

Not Open Data

- Apply for clearance
- Not a quick process
- Website has information on applying for clearance & a downloadable data guide
- Contact: hifld@hq.dhs.gov

The HIFLD Subcommittee Webpage is temporarily offline. We are working to upgrade the site.

To request access to HIFLD Licensed Data, to be added to the HIFLD Distro List or for all other HIFLD-related inquiries, please contact: HIFLD@hq.dhs.gov



Thank you

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Links used:

State Mitigation Plan Review Guide: <https://www.fema.gov/media-library/assets/documents/10165>

UConn CLEAR: <https://clear.uconn.edu/>

CT DEEP: <https://clear.uconn.edu/>

CT Open Data: <https://clear.uconn.edu/>

CT GeoHub: <https://data-ctmaps.opendata.arcgis.com/> – **NEW!**

FEMA Map Service Center: <https://msc.fema.gov/portal/search>

HIFLD: <https://hifld-geoplatform.opendata.arcgis.com/>

HIFLD Data Catalog: <https://tinyurl.com/y8h2uyvq>